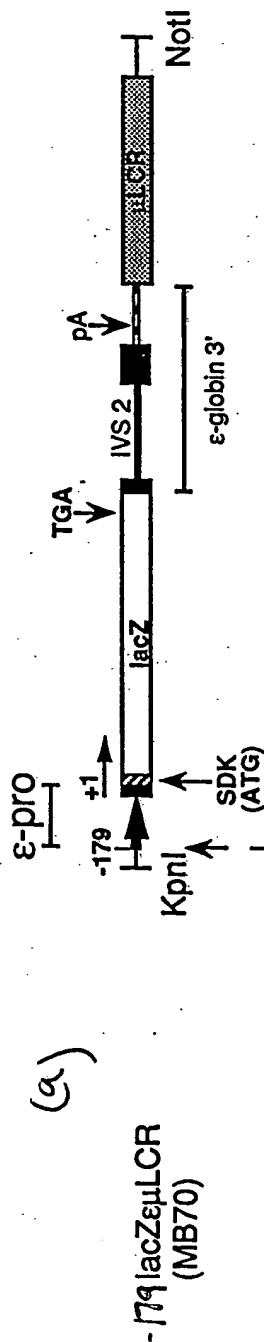
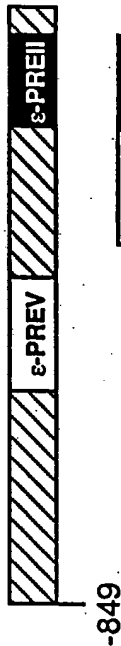


(a)



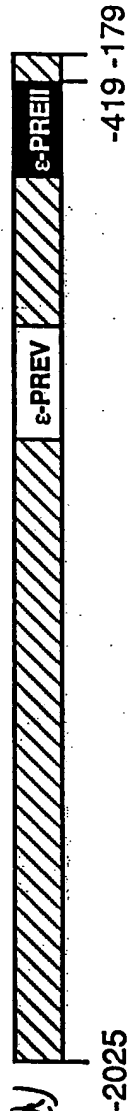
-849lacZεμLCR (b)
(MB73)



ε-PRERE(II+V)lacZεμLCR (c)
(MB72)



-2kblacZεμLCR (d)
(MB92)

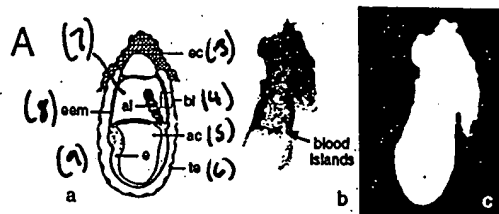


ε-LCR Expression Cassettes

Best Available Copy

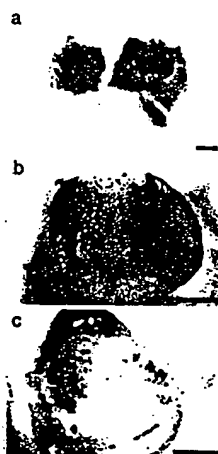
Fig 1

Figure



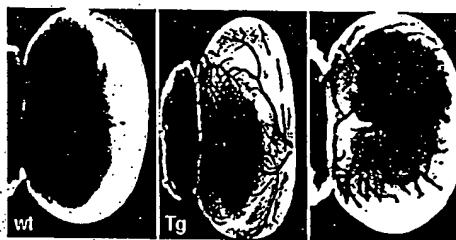
7.5 dpc mouse embryo

B



8.5 dpc mouse embryo

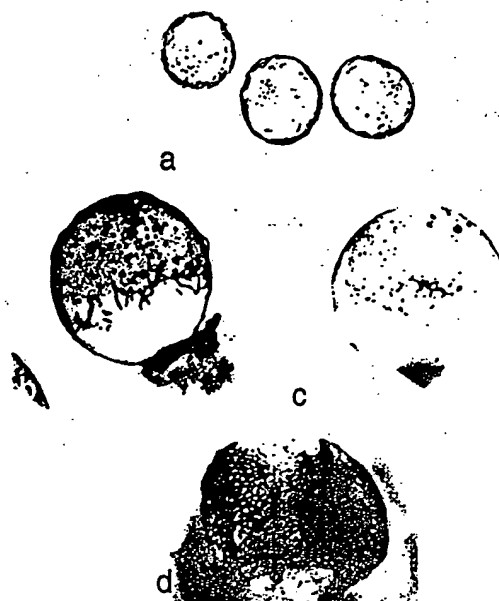
C



12.5 dpc embryos

00021650-021098

Fig 3



09021660-021098

Fig 4

Erythroid differentiation occurs
only in blastocysts that have
developed into sac-like structures

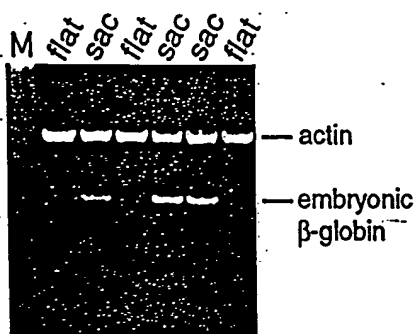


Fig 5

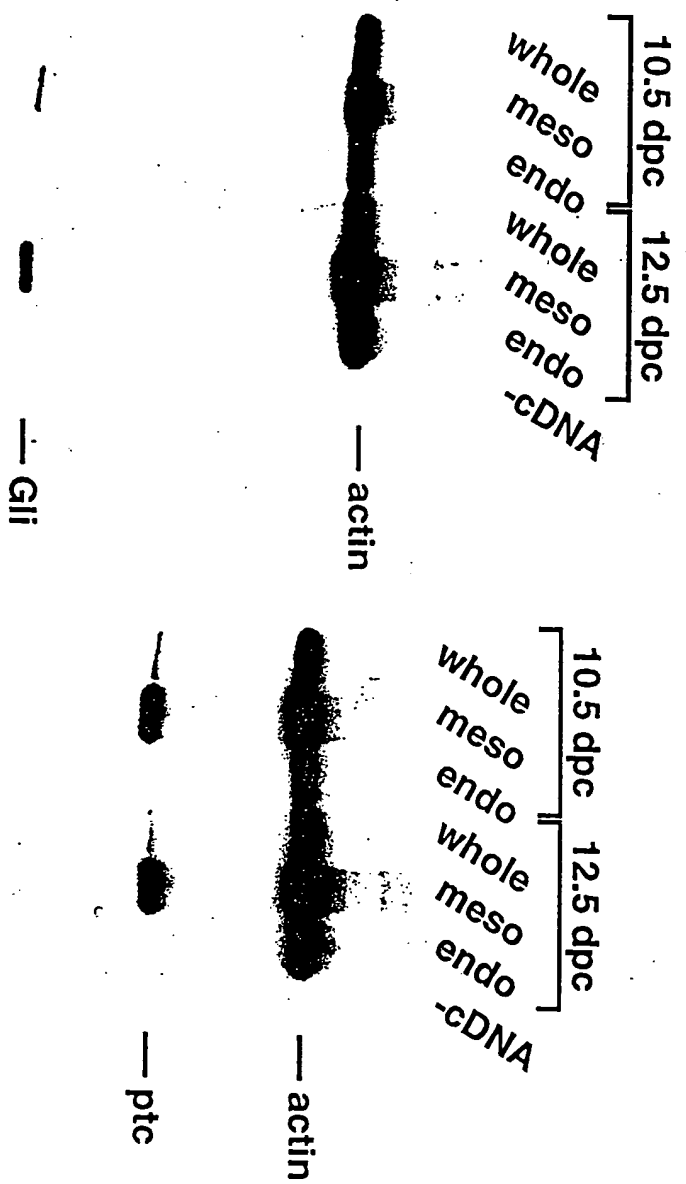
**Primitive erythropoiesis initiates
late in gastrulation**



09021650-021098

Fig 6

Enriched expression of *Gli* and *patched* in yolk sac
mesoderm points to mesoderm as target of hedgehog signaling

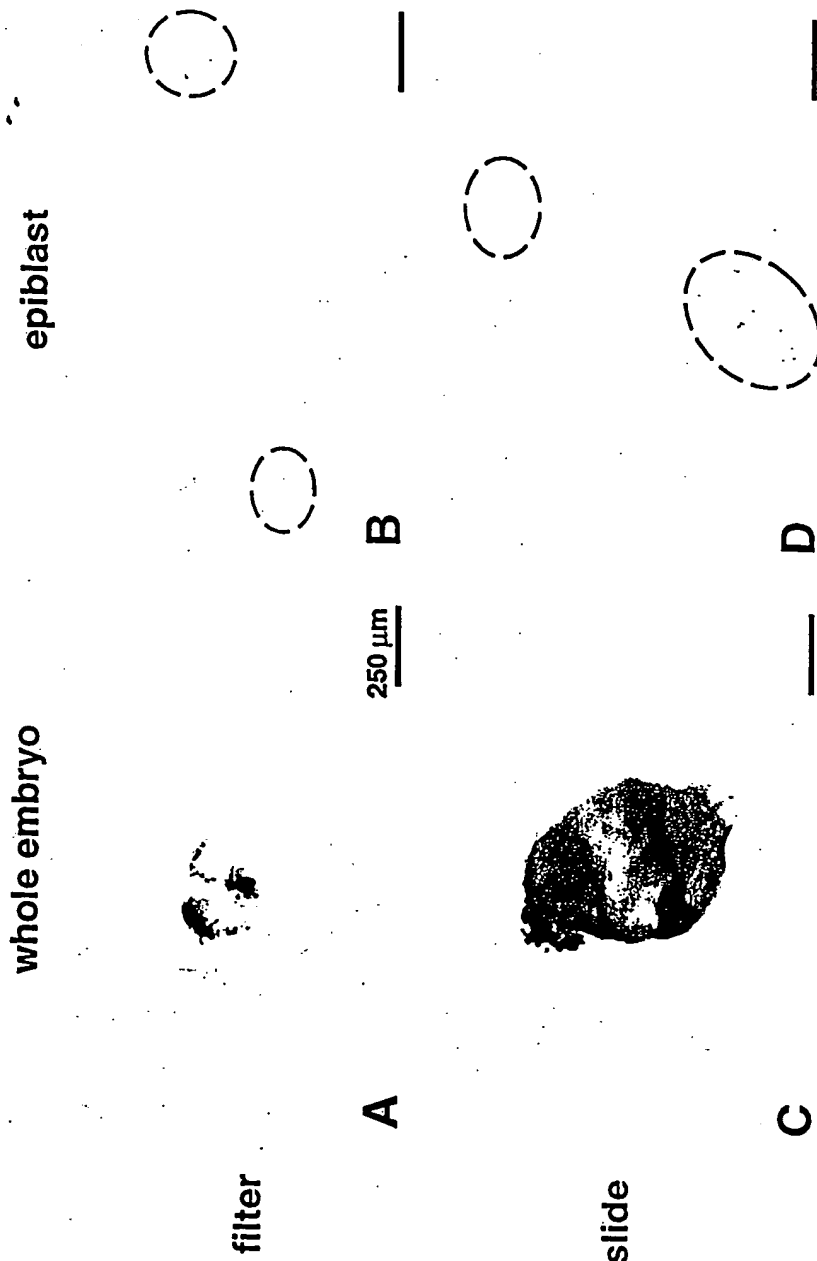


09021550.021098

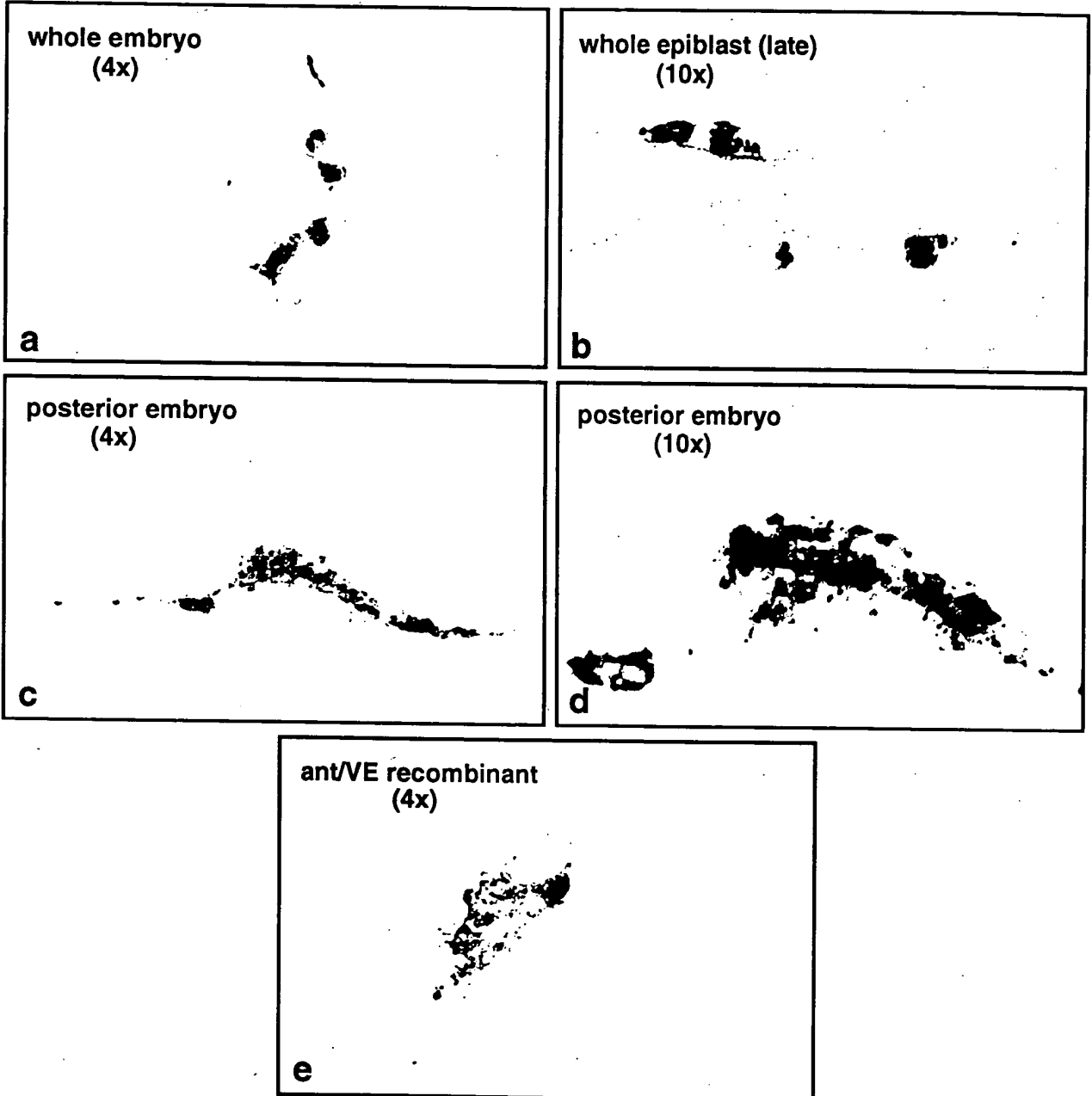
Fig 7

860F20" 099T2060

Transgenic Explants of Gastrulating Embryos Cultured on Filters or Glass Slides



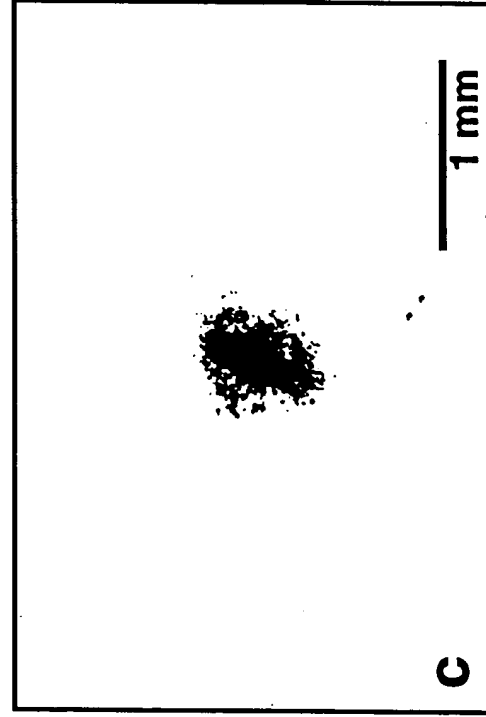
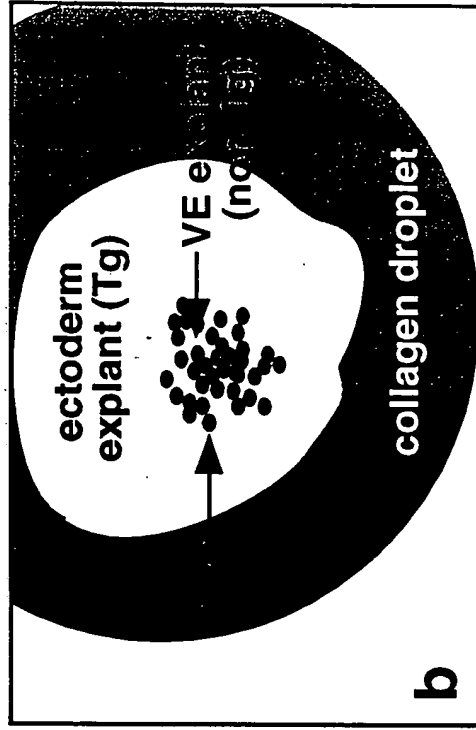
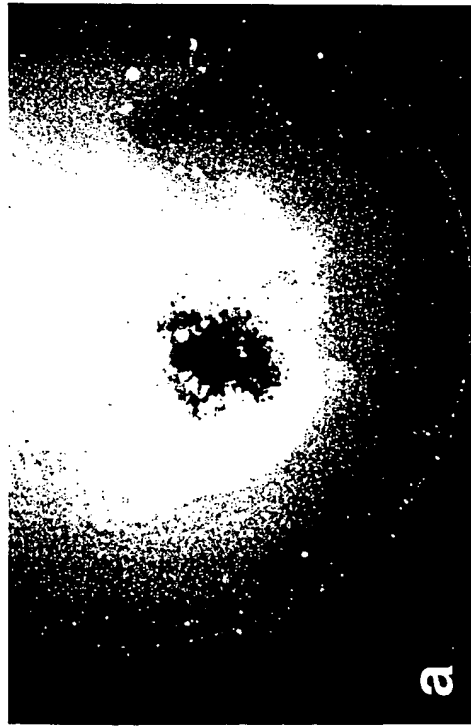
Blood formation in transgenic embryonic explant cultures



(frozen sections)

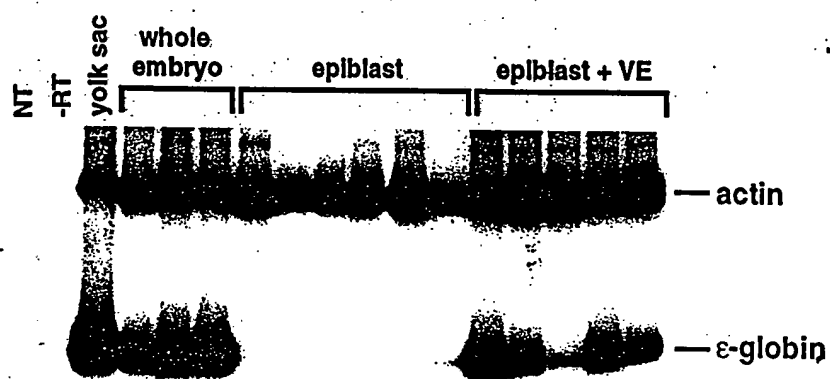
860720" 09972060

Induction of hematopoiesis by VE signals



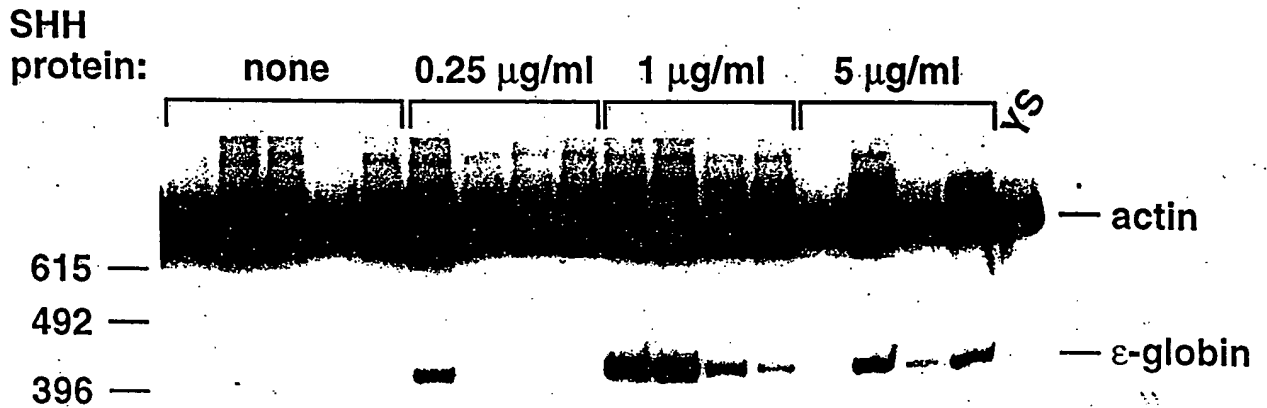
8-1

Fig 8-2

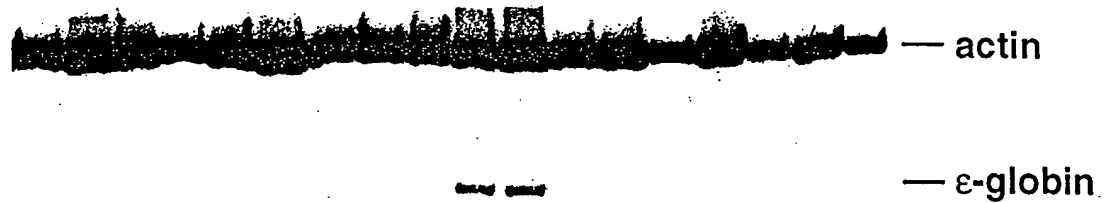


09021650 091098

Fig 9

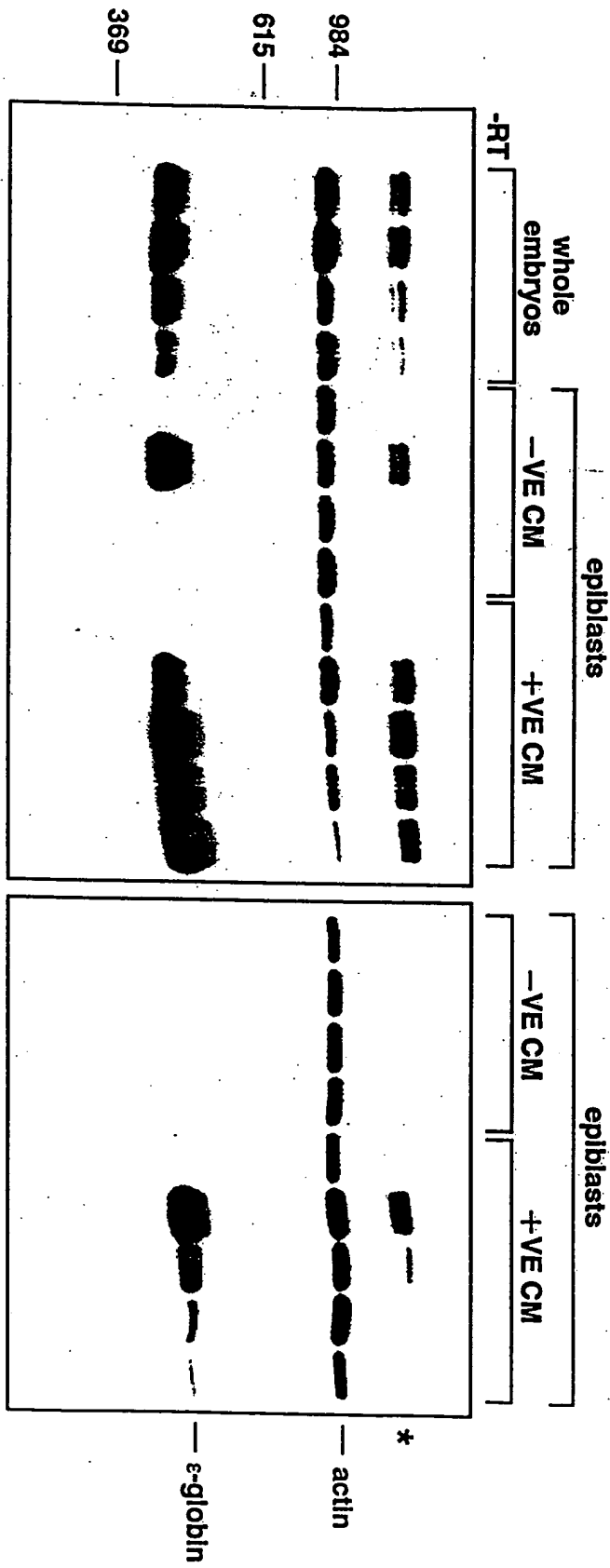


long exposure



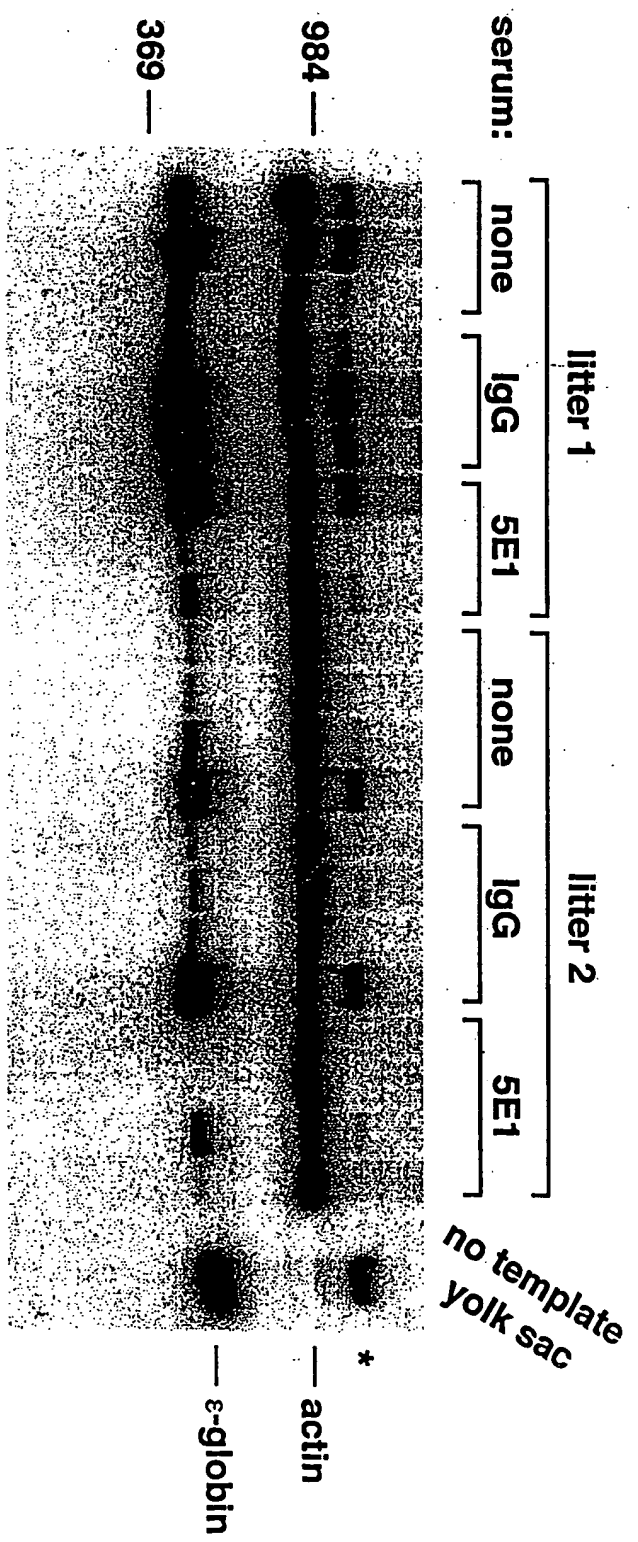
short exposure

Fig 10



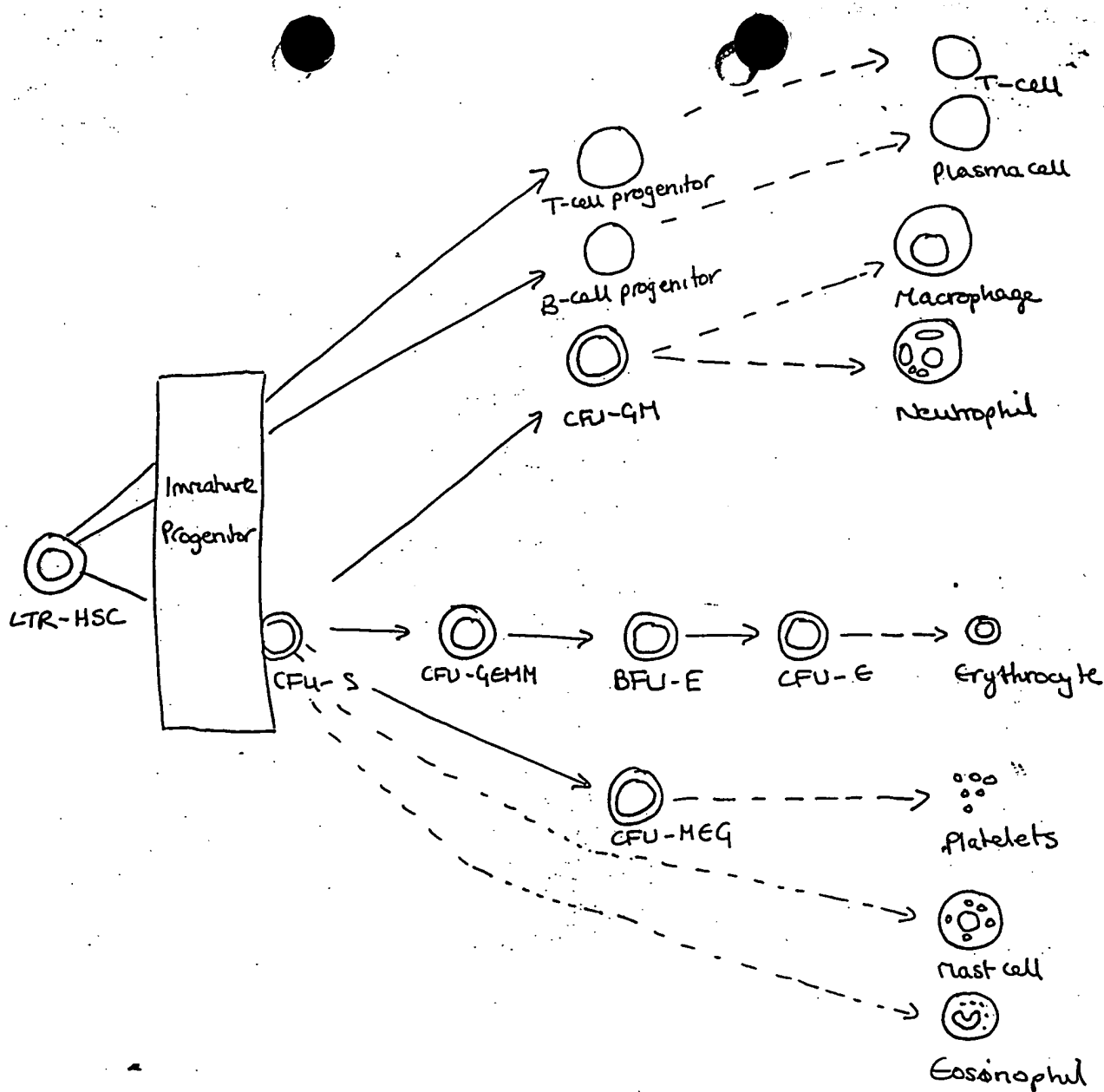
09021660.021098

Fig 101



09021660.021098

Fig 12



09021650.024098

360T20" 099T2060

Fig 13

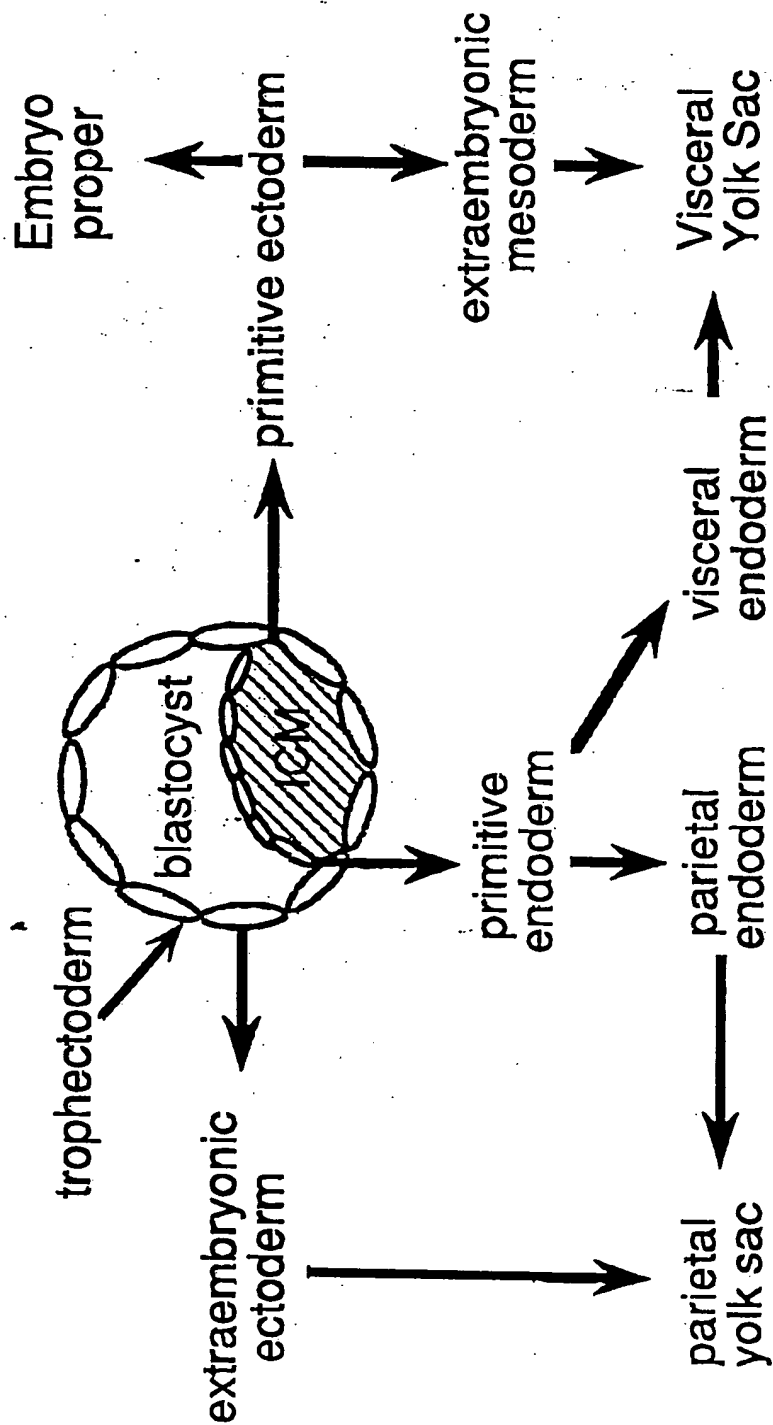
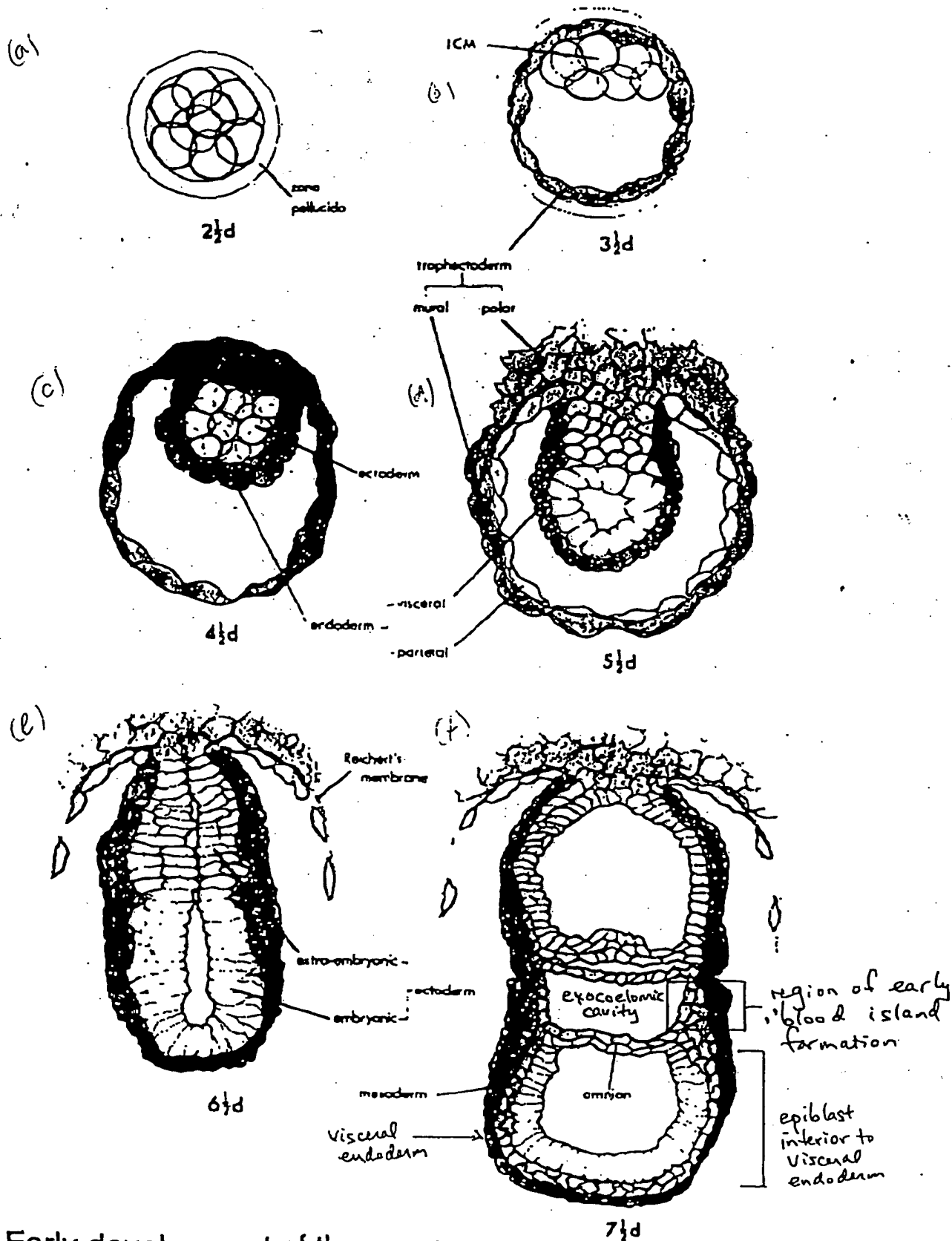
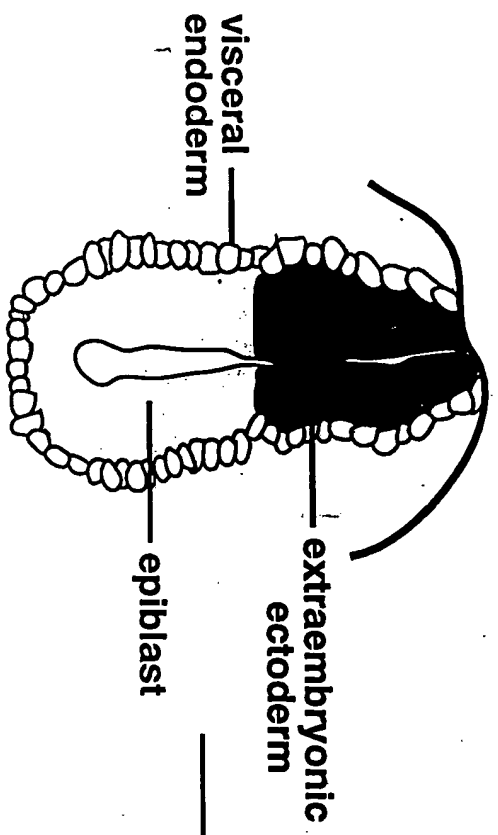


Fig 4

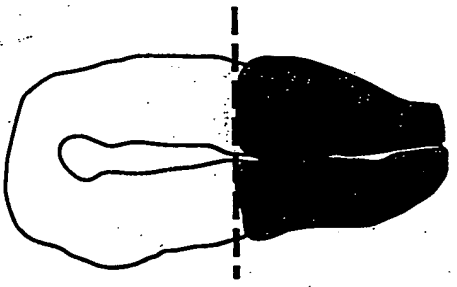


Early development of the mouse

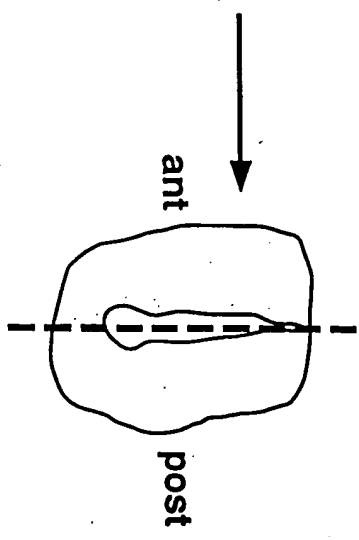
A



B

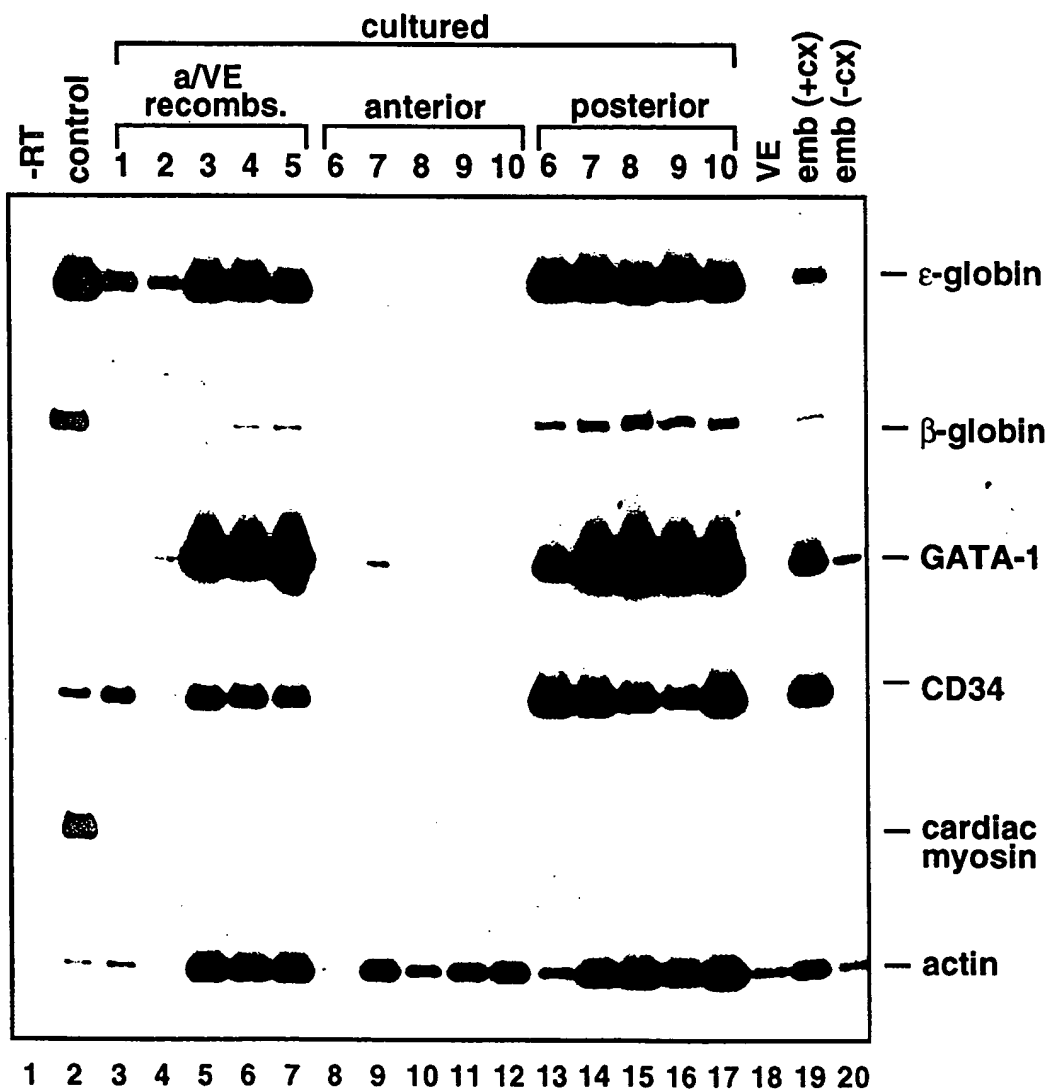


C

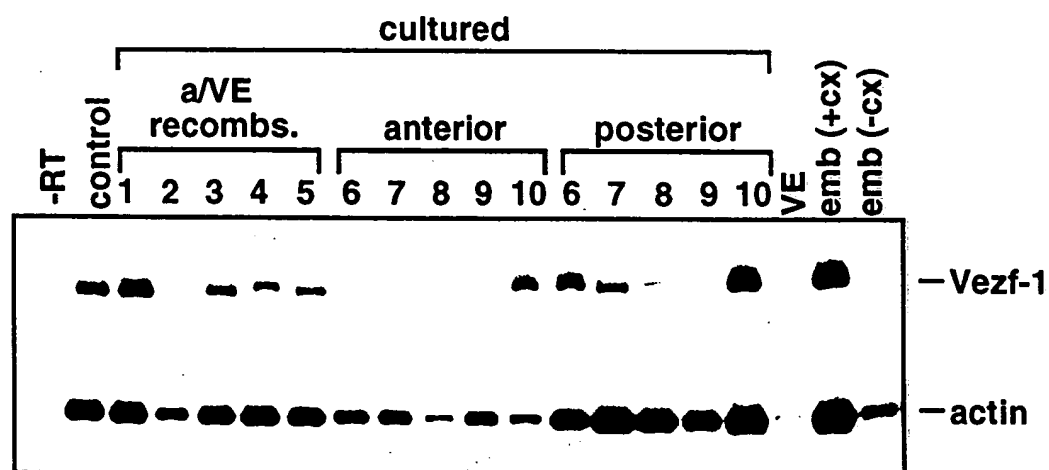
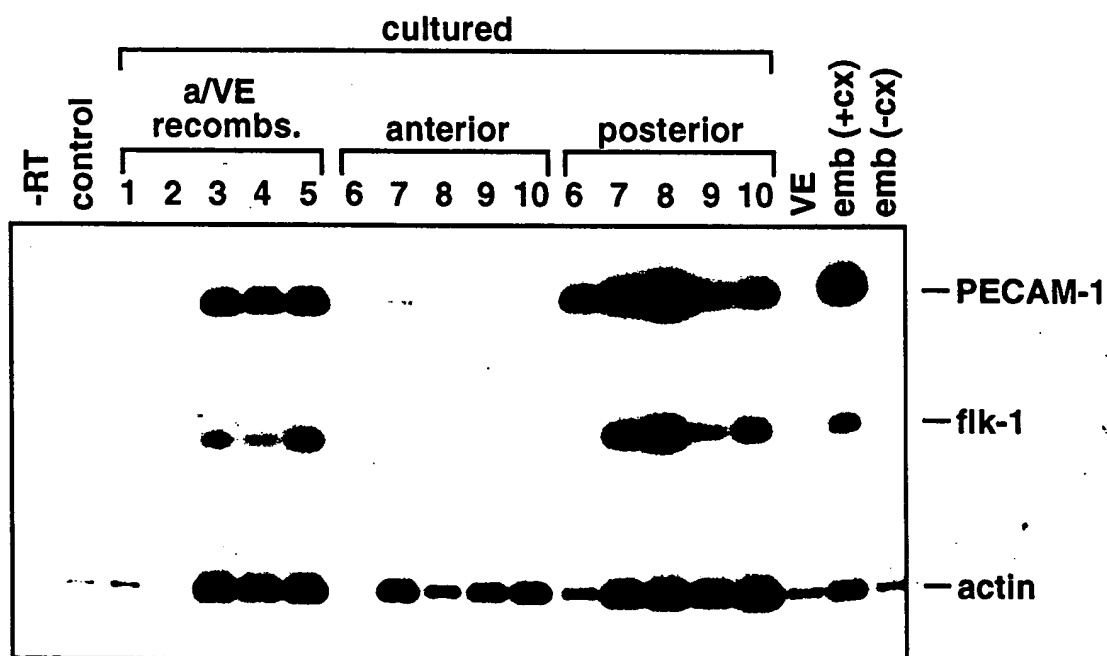


Separation of epiblast into anterior and posterior portions

Activation of hematopoietic markers in recombinant embryo explant cultures



Activation of vascular endothelial cell markers in recombinant embryo explant cultures



Rescue of null mutant phenotype by BMP-4

	# containing hemoglobin	total # EBs	percent hemoglobinized
wt parental	225	260	86.5
mutant (- BMP-4)	2	50	4.0
mutant (+ BMP-4)	42	72	58.5

A

B

wt

mut (-BMP-4)

C

D

wt

mut (+BMP-4)

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860120-09912060

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